

AMENDMENTS

In the Specification:

Page 6, lines 1-6, amend the paragraph as follows:

The turbine and the control mechanism for the turbine will now be described in detail with reference to Figure 3. The impeller 241 of the turbine 240 is mounted about a drive shaft 245 within chamber 115. A set of bearings 246, 247 rotatably supports the drive shaft 245 at each of its ends. An air inlet 120 to the turbine is positioned at one end of the housing and an air outlet of the turbine is mounted at end 280. Airflow through the turbine is in a generally axial direction from left to right in Figure 3.

Page 6, line 26, to page 9, line 4, amend the paragraphs as follows:

The outermost surface of the button 200, between the inner 201 and outer 202 annular hubs, comprises a plurality of radial ribs 206, with the spaces between adjacent ribs defining air inlet apertures 205. The inlet apertures 205 are shielded by a finely graded mesh which serves to prevent dust from being carried into the turbine and fouling the mechanism. The passage between the outer annular hub 202 and diaphragm seal 210, and the inner annular hub 201, defines an airway 120 for the incoming airflow which drives the turbine 240. The circumference of the guide vane plate 230 supports a set of angled vanes 232. The angle of the vanes 232 serves to initiate a swirling flow of air around the housing which is matched to the angle of the blades on the turbine 240. The main airflow path through the turbine is shown by the arrows ~~adjacent secondary impeller 244 as described below.~~ The turbine 240 shown here is an inward radial flow (IFR) turbine, which has been found to be well-suited to the pressure and flow rates in this application. However, it will be apparent that other types of turbine could be used, such as a Pelton Wheel.

There is also a secondary flow of air which plays an important part in operating the button 200 during an overspeed condition. The generally flat side of the turbine 240 (the left hand side of the impeller 241 240 in Figure 3) has a plurality of depressions 242 defined in it,